



Wonder World Drive Extension Update

Vol. 05, January 2010

City Contacts: Sabas Avila, P.E., Assistant Director of Public Services/Transportation
Melissa Millicam, Director of Communications
Contractor: Joe Copeland, J.C. Evans Construction
Engineer: Michael Sexton, KBR

Construction Status: As of December 30, 2009, the project is approximately 406 days into the 617 calendar day schedule.

Current Operations:

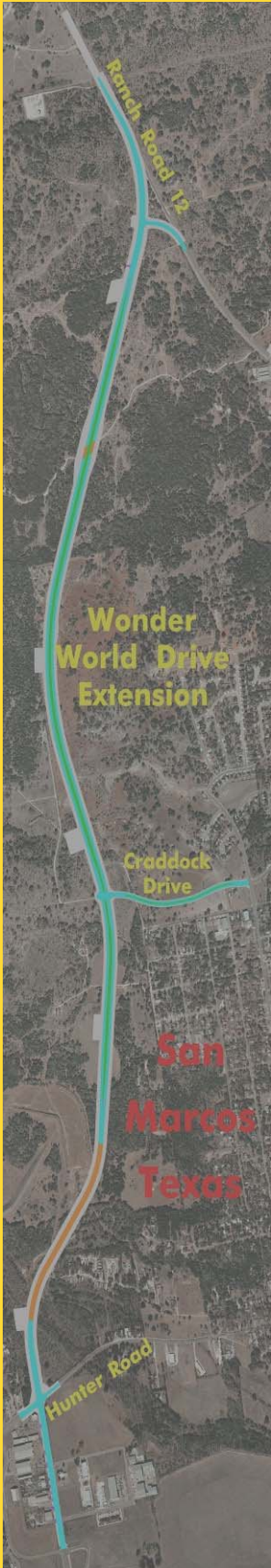
- Bridge decks are being poured. 4 of 7 over Purgatory Creek are completed.
- Approximately 60% of the project has been asphalted, with a last course being left.
- Phases 2 and 3 are under way on the west and east ends of the project. The construction at RR 12 will continue for the next 6-8 weeks, and east of Hunter for 2-4 weeks.

Fact of the Month:

Concrete pours. Each segment of the Purgatory Creek Bridge involves three spans of the bridge and each of the spans is 110 feet in length. The concrete pour for the deck are made at night typically due to the volume of concrete, and traffic handling, required to pour the segments. The typical segment requires between 400 and 480 cubic yards of concrete, which requires 40 to 50 concrete trucks to deliver to the site. Each of the pours takes about 6-8 hours to complete, with several more hours of cleanup to protect the concrete. To put the volume of concrete into perspective, an 80 lb bag of Quikrete yields 0.6 cubic feet of concrete, which means we would need over 18,000 bags to complete each pour, and one really big wheelbarrow.

Photos of the Month:

Six months in the life of a bridge construction. The following pictures are of the same section of the Purgatory Creek Bridge over a 6 month period from July 2009 through December 2009.





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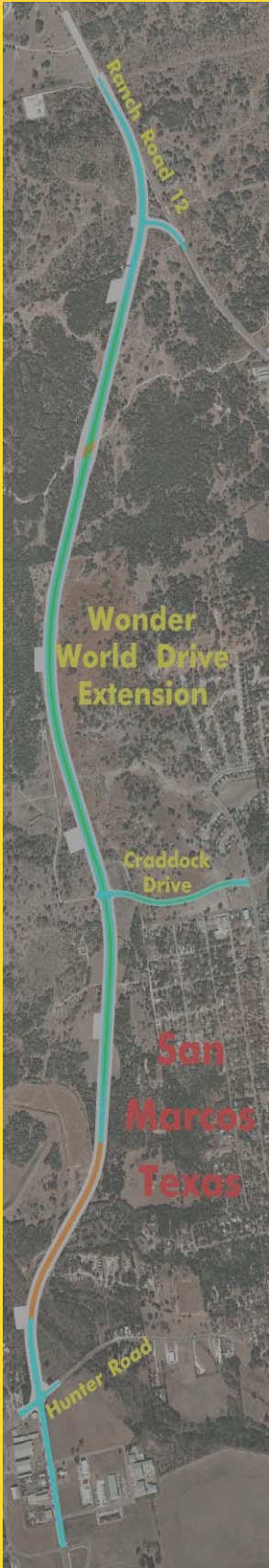


Figure. July 2009



Figure. August 2009



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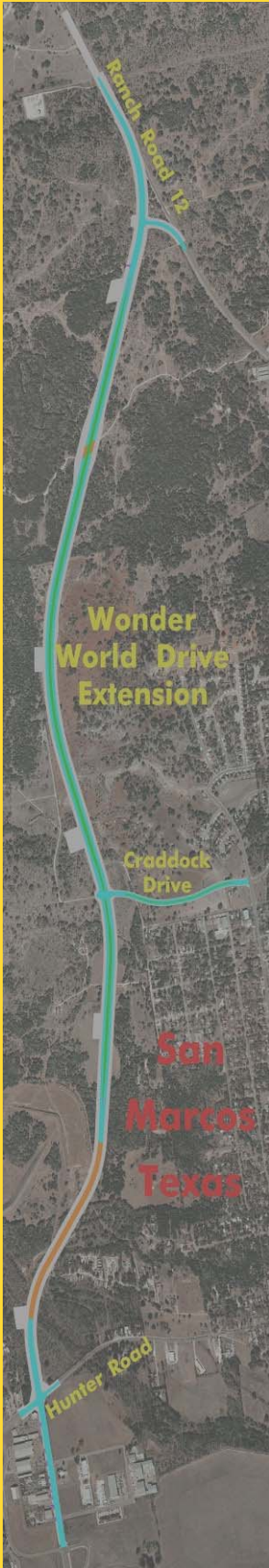
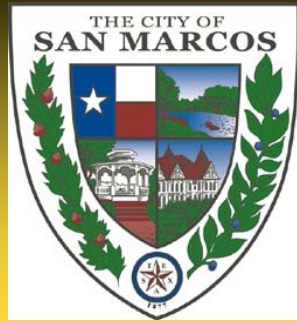


Figure. September 2009



Figure. October 2009



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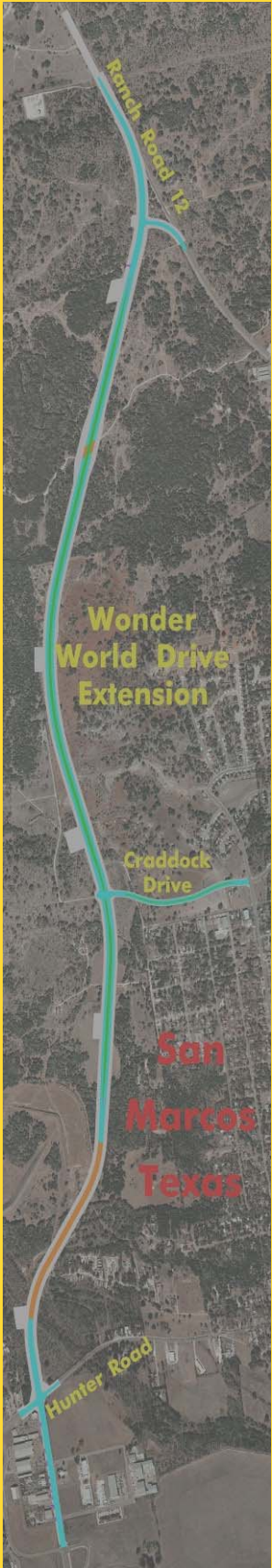


Figure. November 2009



Figure. December 2009



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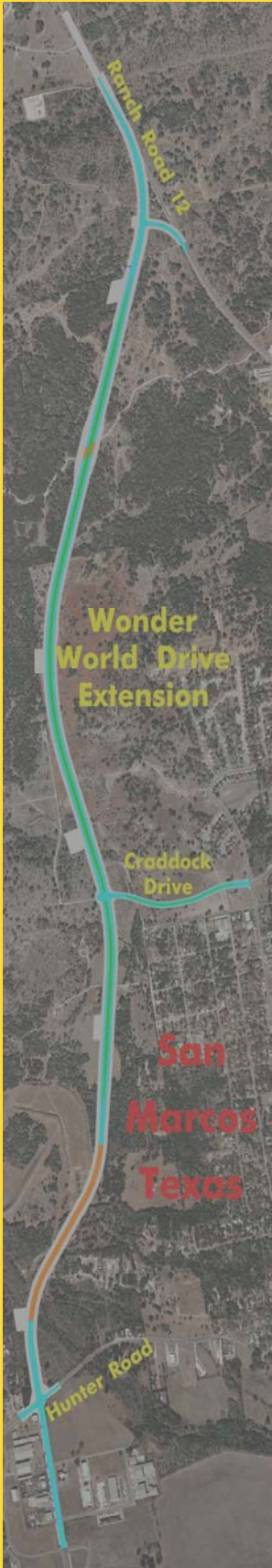


Figure. Purgatory Creek Bridge

For additional photos and aerial photography of the site, please go to:
<http://www.sanmarcostx.gov/wwextension/>